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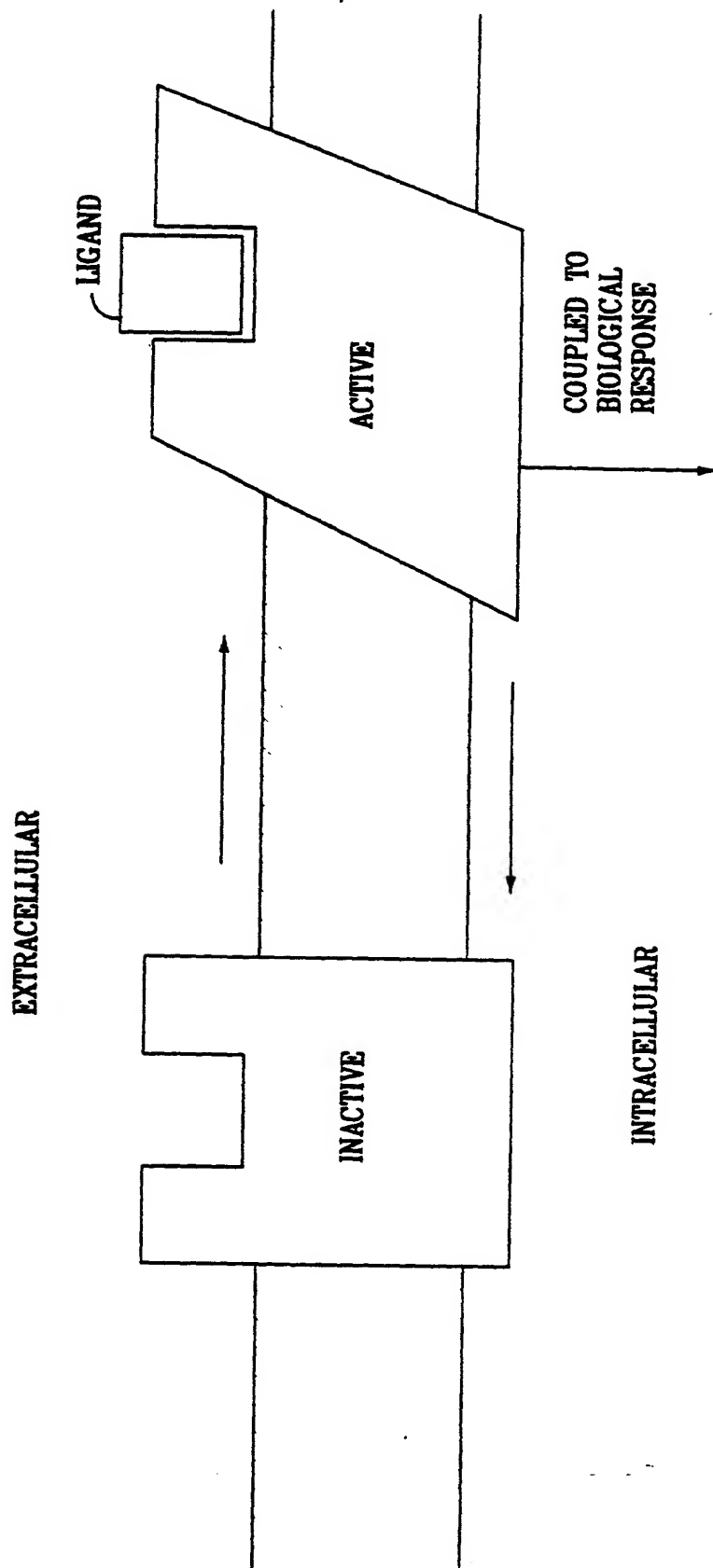


FIG. 2

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*FIG. 3A*

ATGGATATTCTTTGTGAAGAAAATACTTCTTTGAGCTCAACTACGAACTCCCTAATGCAATTA  
AATGATGACAACAGGCTCTACAGTAATGACTTTAACTCCGGAGAAGCTAACACTTCTGATGCA  
TTTAACTGGACAGTCGACTCTGAAAATCGAACCAACCTTTCCTGTGAAGGGTGCCTCTCACCG  
TCGTGTCTCTCCTTACTTCATCTCCAGGAAAAAACTGGTCTGCTTTACTGACAGCCGTAGTGA  
TTATTCTAACTATTGCTGGAACATACTCGTCATCATGGCAGTGTCCCTAGAGAAAAAGCTGC  
AGAATGCCACCAACTATTTCTGATGTCACTTGCCATAGCTGATATGCTGCTGGGTTTCCTTGT  
CATGCCCCGTGTCATGTTAACCATCCTGTATGGGTACCGGTGGCCTCTGCCGAGCAAGCTTTGT  
GCAGTCTGGATTACCTGGACGTGCTCTTCTCCACGGCCTCCATCATGCACCTCTGCGCCATCT  
CGCTGGACCGCTACGTGCGCATCCAGAATCCCATCCACCACAGCCGCTTCAACTCCAGAACTA  
AGGCAITTTCTGAAAATCATTGCTGTTTGGACCATATCAGTAGGTATATCCATGCCAATACCAG  
TCTTTGGGCTACAGGACGATTCTGAAGGTCTTTAAGGAGGGGAGTTGCTTACTCGCCGATGATA  
ACTTTGTCCTGATCGGCTCTTTTGTGTCAITTTTCATTCCCTTAACCATCATGGTGATCACCTAC  
TTTCTAACTATCAAGTCACTCCAGAAAGAAGCTACTTTGTGTGTAAGTGATCTTGGCACACGG  
GCCAAATTAGCTTCTTTTCAGCTTCCCTCCCTCAGAGTTCTTTGTCTTCAGAAAAGCTTTCACG  
GGTCGATCCATAGGGAGCCAGGGTCCTACACAGGCAGGAGGACTATGCAGTCCATCAGCAAT  
GAGCAAAAGGCATGCAAGGTGCTGGGCATCGTCTTCTTCCCTGTTTGTGGTGATGTGGTGCCT  
TTCTTCATCACAAACATCATGGCCGTCATCTGCAAAGAGTCCTGCAATGAGGATGTCATTGGG  
GCCCTGCTCAATGTGTTTGTGTTGGATCGGTTATCTCTTTCAGCAGTCAACCCACTAGTCTACA  
CACTGTTCAACAAGACCTATAGGTCAGCCTTTTCACGGTATATTCAGTGTCAGTACAAGGAAA  
ACAAAAAACCATTCAGTAAATTTAGTGAACACAATACCGGCTTTGGCCTACAAGTCTAGCC  
AACTTCAAATGGGACAAAAAAGAATTCAAAGCAAGATGCCAAGACAACAGATAATGACTGC  
TCAATGGTTGCTCTAGGAAAGCAGTATTCTGAAGAGGCTTCTAAAGACAATAGCGACGGAGT  
GAATGAAAAGGTGAGCTGTGTGTGA

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*FIG. 3B*

MDILCEENTSLSSTTNSLMQLNDDNRLYSNDFNSGEANTSDAFNWTVDSENRTNLSCEGCLSPSCL  
SLLHLQEKNEWSALLTAVVILTIAGNILVIMAVSLEKKLQNAATNYFLMSLAADMLLGFLVMPVSM  
LTILYGYRWPLPSKLCVWYLDVLFSTASIMHLCAISLDRYVAIQNPPIHSRFSRRTKAFLKIAVW  
TISVGISMPIPVFGLQDDSKVFKEGSCLLADDFVLIGSFVSFFIPLTMVITYFLTKSLQKEATLCVS  
DLGTRAKLASFSFLPQSSLSSEKLFQRSIHREPGSYTGRRTMQSISNEQKACKVLGIVFFLFVVMWC  
PFFITNMAVICKESCNEVDIGALLNVFVWIGYLSSAVNPLVYTLFNKTYRSAFSRYIQCYKENKK  
PLQLLVNTIPALAYKSSQLQMGQKKNSKQDAKTTDNDCSMVALGKQYSEEASKDNSDGVNEKV  
SCV

*FIG. 4B*

MVNLRNAVHSFLVHLIGLLVWQCDSVSPVAAIVTDIFNTSDGGRFKFPDGVQNWPAISIVIIIMTIGGN  
LVIMAVSMEKKLHNATNYFLMSLAADMLVGLLVMPISLLAILDYVWPLPRYLCPVWISLDVLFSTASI  
MHLCAISLDRYVAIRNPIEHSRFSRRTKAIMKIAVWALSIGVSVIPVIGLRDEEKVFVNNTTCVLNDPN  
FVLIGSFVAFFIPLTMVITYCLTIYVLRQALMLLHGHTTEPPGLSLDFLKCKRNTAEENSANPNQDQ  
NARRRKKKERRPRGTMQAINNERKASKVLGIVFFVFLMWCPFFITNLSVLCEKSCNQKMEKLLNVFVW  
IGYVCSGINPLVYTLFNKTYRRAFSNYLRCNYKVEKKPPVRQIPRVAATALS GRELVNTYRHTNEPVIEK  
ASDNEPGIEMQVENLELPVNPSSVVSERISSV

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*FIG. 4A*

ATGGTGAACCTGAGGAATGCGGTGCATTCATTCCTTGTGCACCTAATTGGCCTATTGGTTTGGC  
AATGTGATATTTCTGTGAGCCCAGTAGCAGCTATAGTAACTGACATTTCAATACCTCCGATG  
GTGGACGCTTCAAATTTCCAGACGGGGTACAAAACCTGGCCAGCACTTTCAATCGTCATCATAA  
TAATCATGACAATAGGTGGCAACATCCTTGTGATCATGGCAGTAAGCATGGAAGAAAGAACTG  
CACAATGCCACCAATTACTTCTTAATGTCCCTAGCCATTGCTGATATGCTAGTGGGACTACTTG  
TCATGCCCCTGTCTCTCCTGGCAATCCTTTATGATTATGTCTGGCCACTACCTAGATATTTGTG  
CCCCGTCTGGATTTCCTTTAGATGTTTTATTTTCAACAGCGTCCATCATGCACCTCTGCGCTATAT  
CGCTGGATCGGTATGTAGCAATACGTAATCCTATTGAGCATAGCCGTTTCAATTGCGGACTA  
AGGCCATCATGAAGATTGCTATTGTTTGGGCAATTTCTATAGGTGTATCAGTTCCTATCCCTGT  
GATTGGACTGAGGGACGAAGAAAAGGTGTCGTGAACAACACGACGTGCGTGCTCAACGACC  
CAAATTTGCTTCTTATTGGGTCCTTCGTAGCTTTCTTCATACCGCTGACGATTATGGTGATTAC  
GTATTGCCTGACCATCTACGTTCTGCGCCGACAAGCTTTGATGTTACTGCACGGCCACACCGA  
GGAACCGCCTGGAATAAGTCTGGATTTCCTGAAGTGCTGCAAGAGGAATACGGCCGAGGAAG  
AGAACTCTGCAAAACCTAACAAGACCAGAACGCACGCCGAAGAAAGAAGAAGGAGAGACG  
TCCTAGGGGCACCATGCAGGCTATCAACAATGAAAGAAAAGCTTCGAAAGTCCTTGGGATTG  
TTTTCTTTGTGTTTCTGATCATGTGGTGCCCATTTTTTCATTACCAATATTCTGTCTGTTCTTTGTG  
AGAAGTCCTGTAACCAAAAAGCTCATGGAAAAGCTTCTGAATGTTGTTTGGATTGGCTAG  
TTTGTTACAGGAATCAATCCTCTGGTGTATACTCTGTTCACAAAATTTACCGAAGGGCATTCTC  
CAACTATTTGCGTTGCAATTATAAGGTAGAGAAAAAGCCTCCTGTCAGGCAGATTCCAAGAGT  
TGCCGCCACTGCTTTGTCTGGGAGGGAGCTTAATGTTAACATTTATCGGCATACCAATGAACC  
GGTGATCGAGAAAGCCAGTGACAATGAGCCCGGTATAGAGATGCAAGTTGAGAAATTTAGAGT  
TACCAGTAAATCCCTCCAGTGTGGTTAGCGAAAGGATTAGCAGTGTGTGA

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*FIG. 5A*

ATGGTGAACCTGAGGAATGCGGTGCATTCATTCCTTGTGCACCTAATTGGCCTATTGGTTTGGCAAT  
GTGATATTTCTGTGAGCCCAGTAGCAGCTATAGTAACTGACATTTTCAATACCTCCGATGGTGGACG  
CTTCAAATTCCCAGACGGGGTACAAAAGTGGCCAGCACTTTCATCGTCATCATAATAATCATGAC  
AATAGGTCGCAACATCCTTGTGATCATGGCAGTAAGCATGGAAAAGAACTGCACAATGCCACCA  
ATTACTTCTTAATGTCCCTAGCCATTGCTGATATGCTAGTGGGACTACTTGTATGCCCCGTCTCTCTC  
CTGGCAATCCTTTATGATTATGTCTGGCCATCAACTAGATATTTGTGCCCGTCTGGATTCTTTAGA  
TGTTTTATTTTCAACAGCGTCCATCATGCACCTCTGCGCTATATCGCTGGATCGGTATGTAGCAATA  
CGTAATTCTATTGAGCATAGCCGTTTCAATTCGCGGACTAAGGCCATCATGAAGATTGCTATTGTTT  
GGGCAATTTCTATAGGTGTATCAGTTCCTATCCCTGTGATTGGACTGAGGGACGAAGAAAAGGTGT  
TCGTGAACAACACGACGTGCGTGCTCAACGACCCAAATTTGCTTCTTATTGGGTCTTCGTAGCTTT  
CTTCATACCGCTGACGATTATGGTGATTACGTATTGCCTGACCATCTACGTTCTGCGCCGACAAGCT  
TTGATGTTACTGCACGGCCACACCGAGGAACCGCCTGGACTAAGTCTGTATTTCTGAACTGCTGC  
AAGAGGAATACGGCCGAGGAAGAGAACTCTGCAAACCCTAACCAAGACCAGAACGCACGCCGAA  
GAAAGAAGAAGGAGAGACGTCTAGGGGCACCATGCAGGCTATCAACAATGAAAGAAAAGCTAA  
GAAAGTCCTTGGGATTGTTTTCTTTGTGTTTCTGATCATGTGGTGCCCATTTTTCATTACCAATATTC  
TGTCTGTTCTTTGTGAGAAGTCCTGTAACCAAAAAGCTCATGAAAAGCTCTGAATGTGTTTGTGTTG  
GATTGGCTATGTTTGTTCAGGATTCAATCCTCTGGTGTATACTCTGTTCACAAAATTTACCGAAGG  
GCATTCTCCAATATTTGCGTTGCAATTATAAGGTAGAGAAAAAGCCCTCCTGTCAGGCAGATTCCA  
AGAGTTGCCGCCACTGCTTTGTCTGGGAGGGAGCTTATTGTTAACATTTATCGGCATACCAATGAA  
CCGGTGATCGAGAAAGCCAGTGACAATGAGCCCGGTATAGAGATGCAAGTTGAGAATTTAGAGTT  
ACCAGTAAATCCCTCCAGTGTGGTTAGCGAAAGGATTAGCAGTGTGTGA

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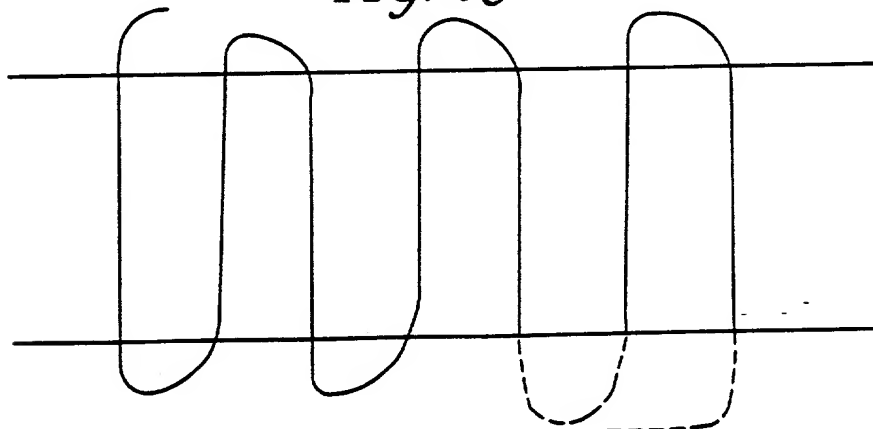
*FIG. 5B*

MVNLRNAVHSFLVHLIGLLVWQCDSVSPVAAIVTDIFNTSDGGRFKFPDGVQNWPAISIVIIIMTI  
GGNILVIMAVSMEKKLHNATNYFLMSLAIADMLVGLLVMPISLLAILDYVWPLPRYLCPVWISL  
DVLFTASIMHLCAISLDYVAIRNPIEHSRFSRSTKAIMKIAIVWAISIGVSVPIPVIGLRDEEKV  
NNTTCVLNDPNFVLIGSFVAFPIPLTMVITYCLTTYVLRQALMLLHGHTTEPPGLSDFLKCKCRN  
TAESEANSANPNQDNARRRKKKERRPRGTMQAINNERKAKKVLGIVFFVFLMWCPFFITNLSVL  
CEKSCNQKLMEKLLNVFVWIGYVCSGINPLVYTLFNKIYRRAFSNYLRCNYKVEKKPPVRQIPRV  
AATALSGRENLVNTYRHTNEPVIEKASDNEPGIEMQVENLELPVNPSSVVSERISSV

*FIG. 6B*

MDILCEENTSLSSTTNSLMQLNDDNRLYSNDFNSGEANTSDAFNWTVDSENRTNLSCEGCLSPSCL  
SLLHLQEKNSALLTAVVILLTIAGNILVIMAVSLEKKLQATNYFLMSLAIADMLLGLFVMPVSM  
LTLYGIRWPLPSKLCVWYLDVLFTASIMHLCAISLDYVAIQNPIHHSRFSRSTKAFLKIIAVW  
TISVGISMPIPVFGLQDDSKVFKEGSCLLADDNFVLIGSFVSFFPIPLTMVITYFLTIVLRQALMLL  
HGHTTEPPGLSDFLKCKCRNTAESEANSANPNQDNARRRKKKERRPRGTMQAINNERKAS  
KVLGIVFFLVVWCPFFITNMAVICKESCNEVDIGALLNVFVWIGYLSSAVNPLVYTLFNKIYR  
RAFSNYLRCNYKVEKKPPVRQIPVAATALSGRENLVNTYRHTNEPVIEKASDNEPGIEMQVE  
NLELPVNPSSVVSERISSV

*FIG. 6C*



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*FIG. 6A*

ATGGATATTCTTTGTGAAGAAAATACTTCTTTGAGCTCAACTACGAACTCCCTAATGCAATTA  
AATGATGACAACAGGCTCTACAGTAATGACTTTAACTCCGGAGAAGCTAACACTTCTGATGCA  
TTAACTGGACAGTCGACTCTGAAAATCGAACCAACCTTTCCTGTGAAGGGTGCTCTCACCG  
TCGTGCTCTCCTTACTTCATCTCAGGAAAAAACTGGTCTGCTTTACTGACAGCCGTAGTGA  
TTATTCTAACTATTGCTGGAACATACTCGTCATCATGGCAGTGTCCCTAGAGAAAAAGCTGC  
AGAATGCCACCAACTATTTCCTGATGTCACTTGCCATAGCTGATATGCTGCTGGGTTTCCTTGT  
CATGCCCCGTGTCCATGTTAACCATCCTGTATGGGTACCGGTGGCCTCTGCCGAGCAAGCTTTGT  
GCAGTCTGGATTTACCTGGACGTGCTCTTCTCCACGGCCTCCATCATGCACCTCTGCGCCATCT  
CGCTGGACCGCTACGTGCGCCATCCAGAATCCCATCCACCACAGCCGCTTCAACTCCAGAACTA  
AGGCATTTCTGAAAATCATTGCTGTTTGGACCATATCAGTAGGTATATCCATGCCAATACCAG  
TCTTTGGGCTACAGGACGATTCTGAAGGTCTTTAAGGAGGGGAGTTGCTTACTCGCCGATGATA  
ACTTTGTCTGATCGGCTCTTTTGTGTCATTTTTCATTCCCTTAACCATCATGGTGATCACCTAC  
TTTCTAACTATCAAGGTCTGCGCCCGACAAGCTTTGATGTTACTGCACGGCCACACCGAG  
GAACCGCCTGGACTAAGTCTGGATTTCCTGAAGTGCTGCAAGAGGAATACGGCCGAGGA  
AGAGAACTCTGCAAACCCTAACCAAGACCAGAACGCACGCCGAAGAAAGAAGAAGGAG  
AGACGTCTAGGGGCACCATGCAGGCTATCAACAATGAAAGAAAAGCTTCAAGGTACT  
GGGCATCGTCTTCTTCTGTTTGTGGTGATGTGGTGCCCTTTCTTCATCACAAACATCATGGCC  
GTCATCTGCAAAGAGTCTGCAATGAGGATGTCATTGGGGCCCTGCTCAATGTGTTTGTGTTGG  
ATCGGTTATCTCTCTCAGCAGTCAACCCACTAGTCTATACTCTGTTCAACAAAATTTACCGA  
AGGGCATTCTCCAACCTATTTGCGTTGCAATTATAAGGTAGAGAAAAAGCCTCCTGTCAG  
GCAGATTCCAAGAGTTGCCGCCACTGCTTTGTCTGGGAGGGAGCTTAATGTTAACATTT  
ATCGGCATACCAATGAACCGGTGATCGAGAAAGCCAGTGACAATGAGCCCGGTATAGAG  
ATGCAAGTTGAGAATTTAGAGTTACAGTAAATCCCTCCAGTGTGGTTAGCGAAAGGAT  
TAGCAGTGTGTGA



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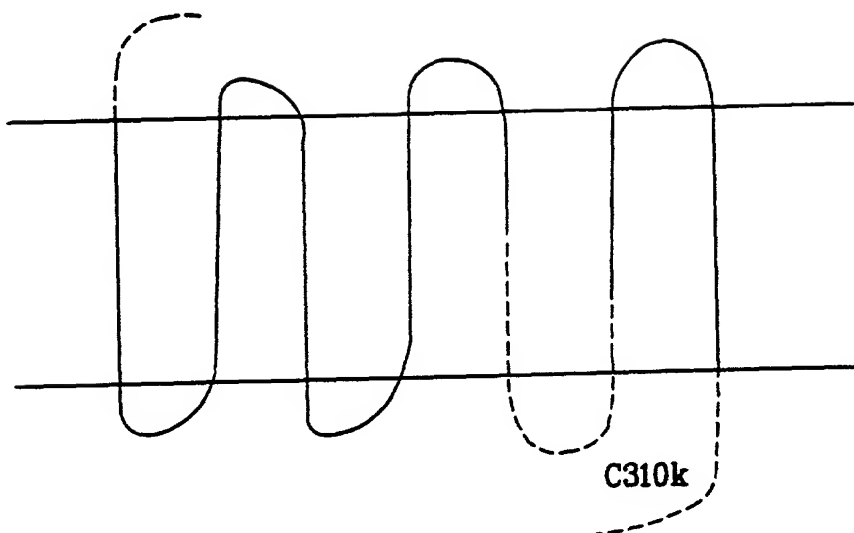
*FIG. 7A*

ATGGATATTCTTTGTGAAGAAAATACTTCTTTGAGCTCAACTACGAACTCCCTAATGCAATTA  
AATGATGACAACAGGCTCTACAGTAATGACTTTAACTCCGGAGAAGCTAACACTTCTGATGCA  
TTTAACTGGACAGTCGACTCTGAAAATCGAACCAACCTTTCCTGTGAAGGGTGCCCTCTCACCG  
TCGTGTCTCTCCTTACTTCATCTCCAGGAAAAAACTGGTCTGCTTTACTGACAGCCGTAGTGA  
TTATTCTAACTATTGCTGGAACATACTCGTCATCATGGCAGTGTCCCTAGAGAAAAAGCTGC  
AGAATGCCACCAACTATTTCTGTATGTCACTTGCCATAGCTGATATGCTGCTGGGTTTCCTTGT  
CATGCCCGTGTCATGTTAACCATCCTGTATGGGTACCGGTGGCCTCTGCCGAGCAAGCTTTGT  
GCAGTCTGGATTTACCTGGACGTGCTCTTCTCCACGGCCTCCATCATGCACCTCTGCGCCATCT  
CGCTGGACCGCTACGTGCGCCATCCAGAATCCCATCCACCACAGCCGCTTCAACTCCAGAACTA  
AGGCATTTCTGAAAATCATTGCTGTTTGGACCATATCAGTAGGTATATCCATGCCAATACCAG  
TCTTTGGGCTACAGGACGATTCGAAGGTCTTTAAGGAGGGGAGTTGCTTACTCGCCGATGATA  
ACTTTGTCTGATCGGCTCTTTTGTGTCATTTTTCATTCCCCTGACGATTATGGTGATTACGT  
ATTGCCTGACCATCTACGTTCTGCGCCGACAAGCTTTGATGTTACTGCACGGCCACACC  
GAGGAACCGCCTGGACTAAGTCTGGATTTCTGAAGTGCTGCAAGAGGAATACGGCCGA  
GGAAGAGAACTCTGCAAAACCTAACCAGACCAGAACGCACGCCGAAGAAAGAAGAAG  
GAGAGACGTCTAGGGGCACCATGCAGGCTATCAACAATGAAAGAAAAGCTAAGAAAAGT  
CCTTGGGATTGTTTTCTTTGTGTTTCTGATCATGTGGTGCCCTTTCTTCATCACAAACATCA  
TGGCCGTCATCTGCAAGAGTCTGCAATGAGGATGTCATTGGGGCCCTGCTCAATGTGTTTG  
TTTGATCGGTTATCTCTCTTCAGCAGTCAACCCACTAGTCTATACTCTGTTCAACAAAATTT  
ACCGAAGGGCATTCTCCAATAATTGCGTTGCAATTATAAGGTAGAGAAAAAGCCTCCT  
GTCAGGCAGATTCCAAGAGTTGCCGCCACTGCTTTGTCTGGGAGGGAGCTTAATGTAA  
CATTTATCGGCATACCAATGAACCGGTGATCGAGAAAGCCAGTGACAATGAGCCCGGTA  
TAGAGATGCAAGTTGAGAATTTAGAGTTACCAGTAAATCCCTCCAGTGTGGTTAGCGAA  
AGGATTAGCAGTGTGTGA

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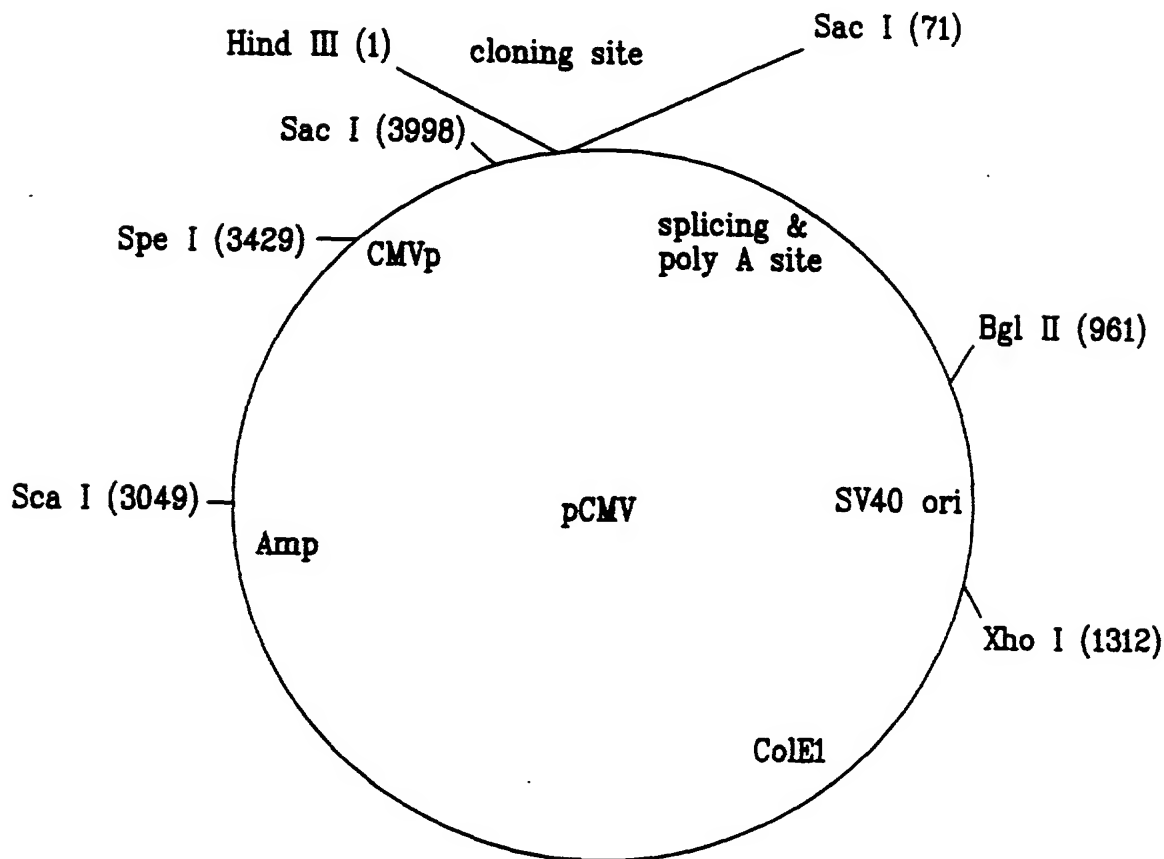
*FIG. 7B*

MDILCEENTSLSSTTNSLMQLNDDNRLYSNDFNSGEANTSDAFNWTVDSNRNTLSCEGCLSPSCL  
SLLHLQEKNWSALLTAVVILTIAGNILVIMAVSLEKKLQNAATNYFLMSLAIDMLLGFLVMPVSM  
LTILYGYRWPLPSKLCVWYILDVLFSTASIMHLCASLDRYVAIQNPPIHRSFNSRTKAFLKILAVW  
TISVGISMPIPVFGLQDDSKVFKEGSCILADDNFVLIGSFVSFFIPLTMVTTYCLTIYVLRQALML  
LHGHTEPPGLSLDFLKCCCKRNTAEENSANPNQDONARRRKKKERRPRGTMQAINNERKA  
KKVLGIVFFVFLMWCPFFITNMAVICKESCNEVDIGALLNVFVWIGYLSSAVNPLVYTLENKIY  
RRAFSNYLRNYKVEKKPPVROIPRVAATLSGRELVNNTYRHTNEPVIEKASDNEPGIEMQV  
ENLELPVNPSSVVSERISSY



*FIG. 7C*

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- \*Xho I (1312) to Sca I (3049) is identical to pRc/RSV Xho I (3045) to 4782.
- \*Sca I (3049) to 4070 is identical to pCDM7 Amp Scal (2524) to 3545.
- \*multiple cloning site includes Hind III to Sac I of pBluescript II
- \*110 to 1312 is identical to pCMD7 Amp 76 to 1278.
- \*Sac I and Spe I in MCS are not unique.

*FIG. 8*

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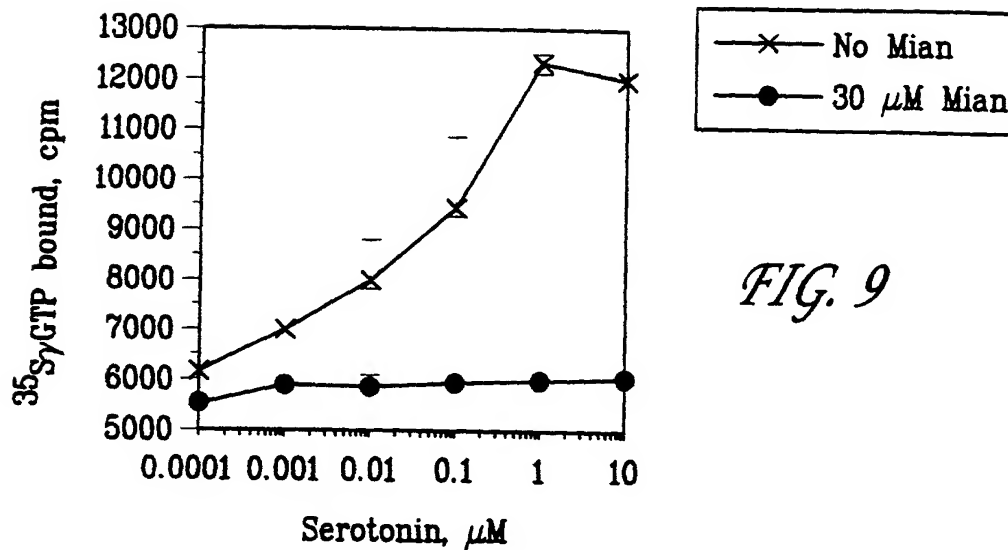


FIG. 9

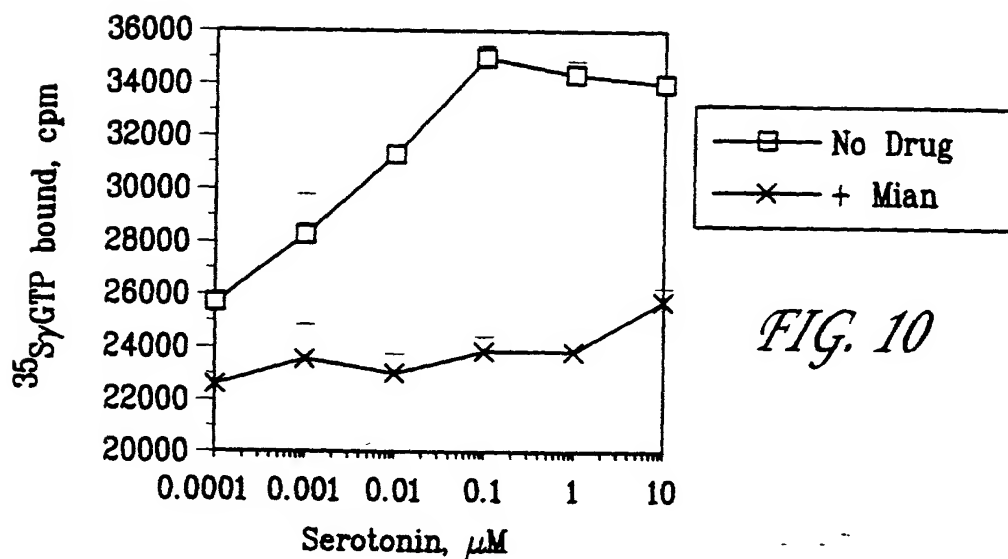


FIG. 10

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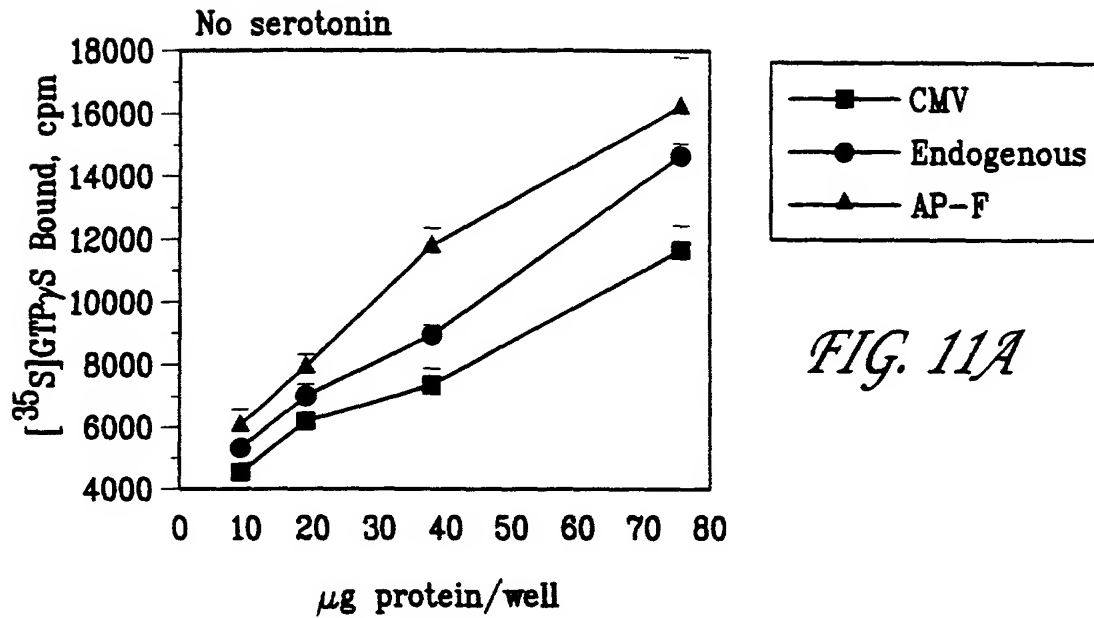


FIG. 11A

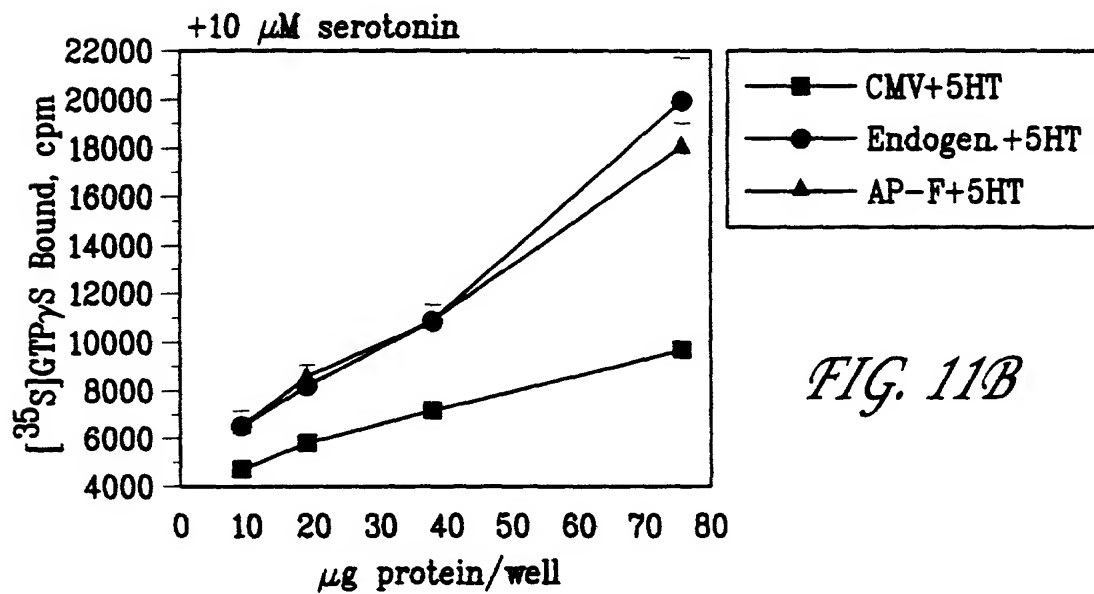
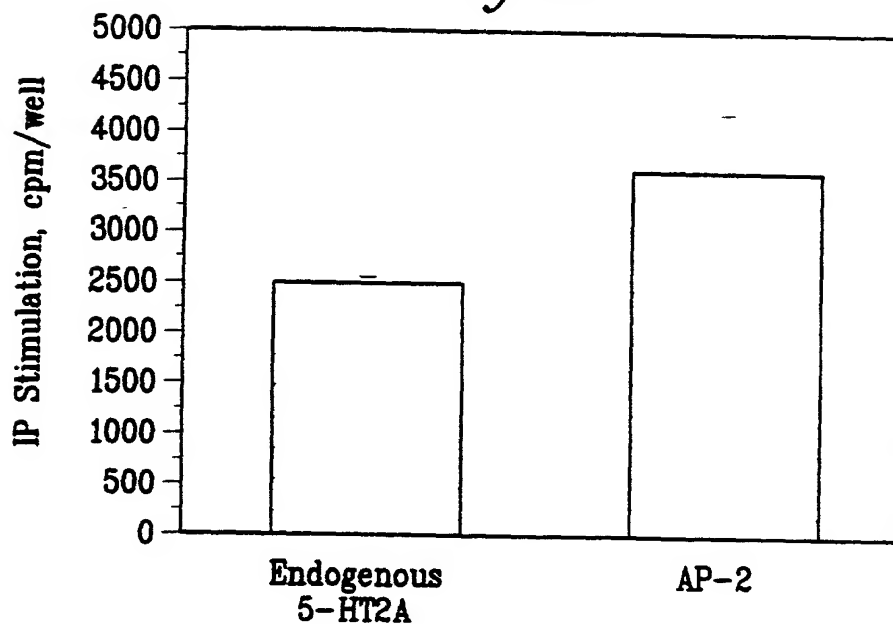


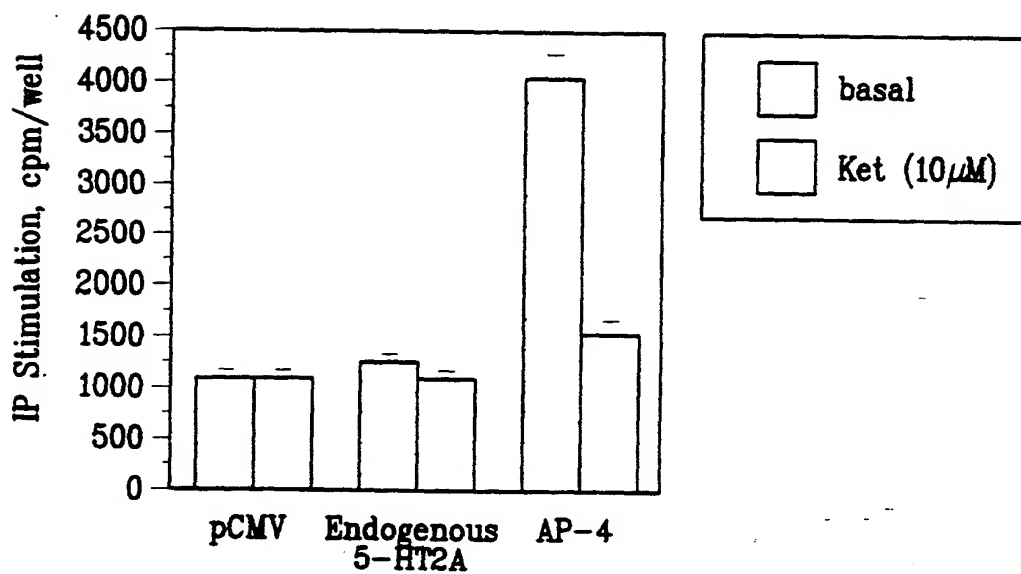
FIG. 11B

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*FIG. 12*



*FIG. 13*



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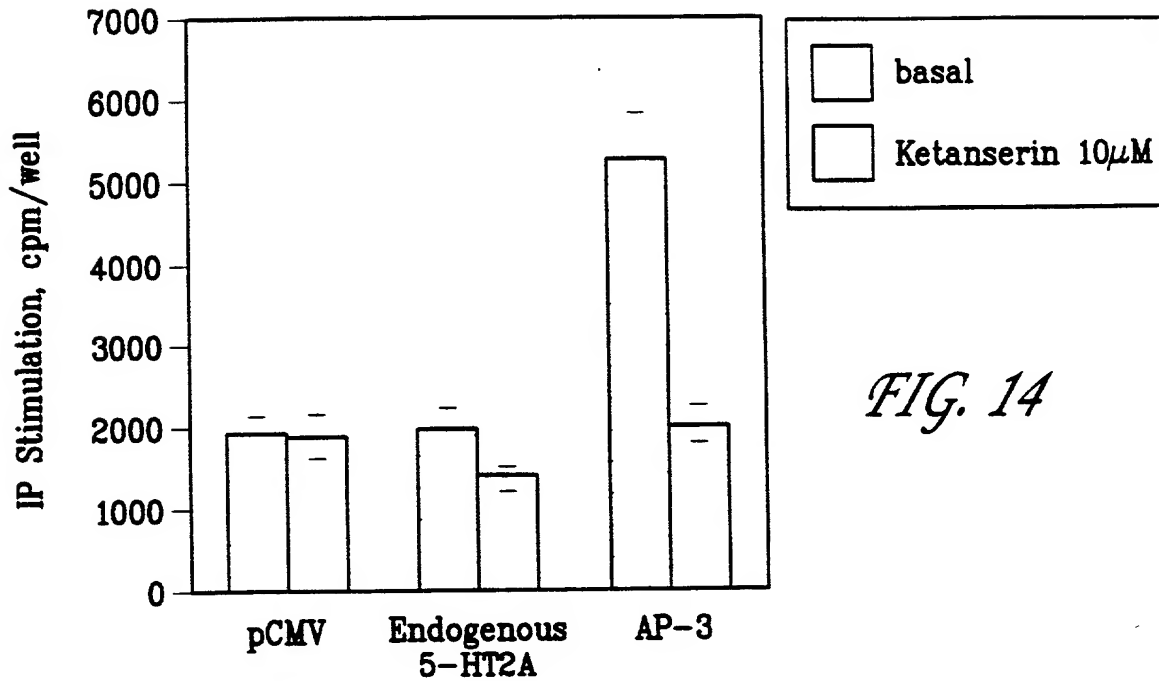
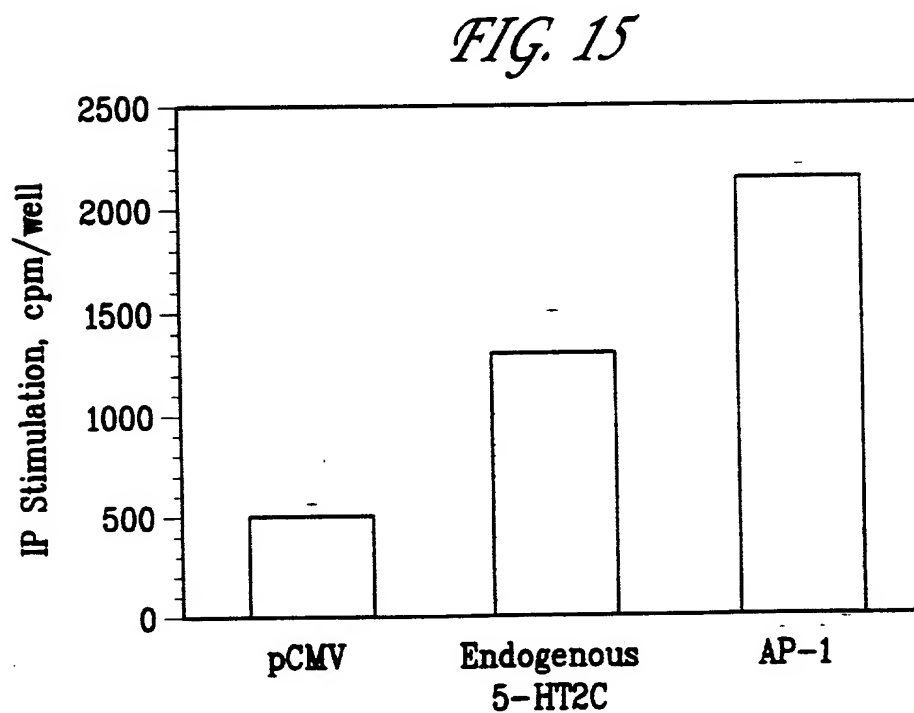


FIG. 14

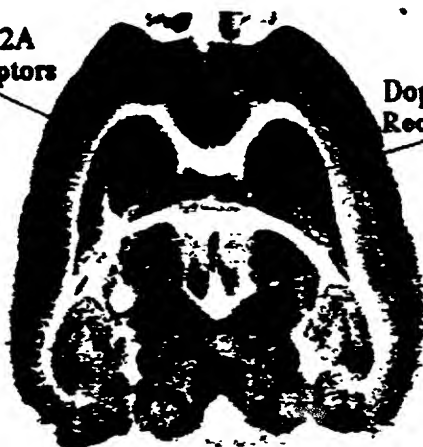


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5-HT<sub>2A</sub>  
Receptors

Dopamine D<sub>2</sub>  
Receptors

*FIG. 16A*



*FIG. 16B*

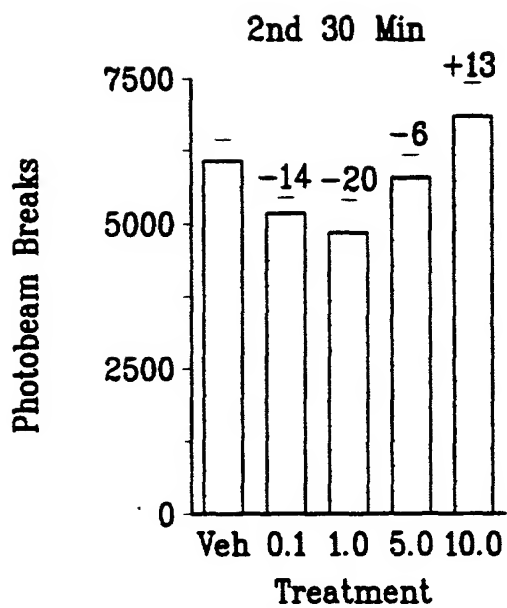
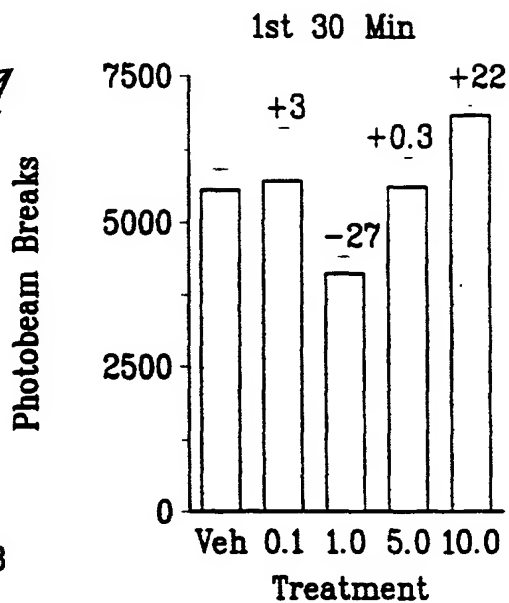


*FIG. 16C*

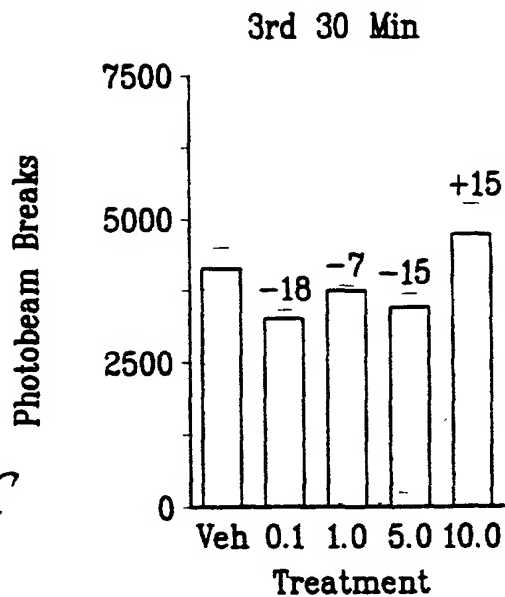


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*FIG. 17A*



*FIG. 17B*



*FIG. 17C*